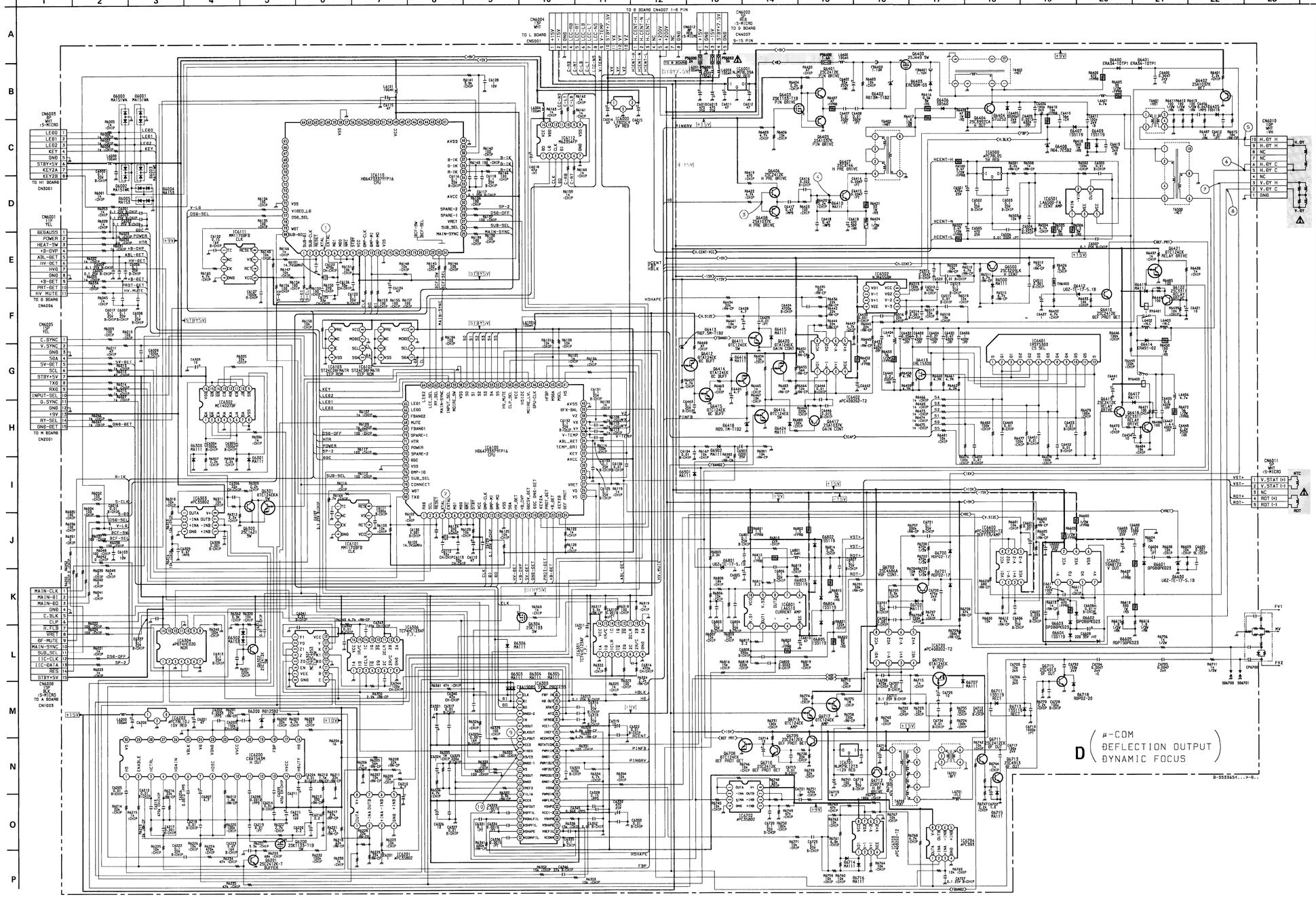
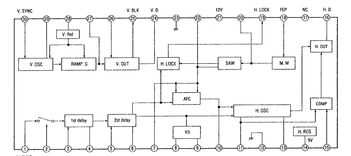
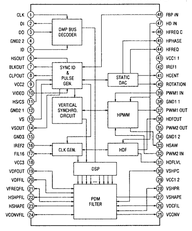
(1) Schematic Diagram of D Board




• D BOARD IC6200 CXA1543M



• D BOARD IC6300 CXA1908S



● D BOARD WAVEFORMS

| | | | | |
|---|---|---|---|---|
| ① 4.5 Vp-p (14.75 MHz) | ② 4.5 Vp-p (14.75 MHz) | ③ 2.7 Vp-p (H) | ④ 1.2 Vp-p (H) | ⑤ 360 Vp-p (H) |
| ⑥ 50.0 Vp-p (H) | ⑦ 26.0 Vp-p (V) | ⑧ 1.1 Vp-p (V) | ⑨ 0.8 Vp-p (H) | ⑩ 2.5 Vp-p (H) |

● D BOARD VOLTAGE LIST

| Ref. | Pin No. | Voltage [V] |
|---|---|---|
| IC6101 | 1 | 0.4 |
| | 3 | 0.1 |
| | 7 | 1.5 |
| | 8 | 4.8 |
| IC6102 | 5 | 4.9 |
| | 6 | 4.9 |
| IC6103 | 3 | 4.9 |
| | 5 | 4.9 |
| | 6 | 4.9 |
| IC6111 | 1 | 0.4 |
| | 3 | 0.1 |
| | 7 | 1.5 |
| | 8 | 4.9 |
| IC6112 | 2 | 0 |
| | 3 | 4.9 |
| | 4 | 4.9 |
| | 5 | 2.3 |
| | 6 | 2.9 |
| | 9 | 1.5 |
| | 10 | 2.8 |
| | 11 | 3.5 |
| IC6200 | 1 | 4.7 |
| | 2 | 0 |
| | 3 | 0.9 |
| | 4 | 7.4 |
| | 5 | 0.8 |
| | 6 | 8.2 |
| | 7 | 4.3 |
| | 8 | 0.2 |
| | 9 | 1.1 |
| | 10 | 6.6 |
| | 11 | 5.9 |
| | 12 | 0 |
| | 13 | 8.4 |
| | 14 | 8.4 |
| | 15 | 2.5 |
| | 16 | 8.7 |
| | 17 | 0 |
| | 22 | 5 |
| IC6201 | 1 | 0.2 |
| | 2 | 1.5 |
| | 3 | + |
| | 5 | 2.0 |
| | 6 | 1.9 |
| | 7 | 0 |
| IC6300 | 1 | 4.9 |
| | 2 | 4.8 |
| | 3 | 4.8 |
| | 5 | 4.9 |
| | 6 | 0.6 |
| | 7 | 1.2 |
| | 8 | 0.7 |
| | 10 | 4.3 |
| | 11 | 4.3 |
| | 13 | 4.9 |
| | 14 | 0.1 |
| | 16 | 1.3 |
| | 17 | 2.6 |
| | 19 | 6.6 |
| | 20 | 7.1 |
| | 21 | 2.0 |
| | 22 | 4.7 |
| | 23 | 4.7 |
| | 24 | 4.7 |
| | 25 | 4.1 |
| | 26 | 2.6 |
| | 28 | 5.2 |
| | 30 | 1.9 |
| | 31 | 2.8 |
| | 33 | 4.4 |
| | 37 | 1.8 |
| | 39 | 5.8 |
| | 40 | 3.5 |
| | 41 | 2.9 |
| | 42 | 2.8 |
| | 44 | 1.5 |
| | 45 | 2.0 |
| | 46 | 0.9 |
| | 47 | 2.5 |
| | 48 | −0.1 |
| IC6301 | 2 | 2.5 |
| | 5 | 0.2 |
| | 6 | 0 |
| | 7 | 4.8 |
| | 10 | 0.6 |
| | 11 | 15219 |
| | 13 | 0.8 |
| | 14 | 0 |
| | 15 | 4.3 |
| IC6302 | 1 | 2.5 |
| | 2 | 2.5 |
| | 3 | 0.1 |
| | 5 | 2.5 |
| | 6 | 2.5 |
| | 9 | 0 |
| | 10 | 2.5 |
| | 11 | 2.4 |
| | 12 | 0 |
| | 13 | −0.2 |
| | 14 | 2.5 |
| | 15 | 2.4 |
| IC6303 | 1 | 0 |
| | 2 | 0 |
| | 5 | 0 |
| | 6 | 1.9 |
| | 7 | 0 |
| | 8 | 13.8 |
| | 9 | + |
| IC6304 | 1 | 4.7 |
| | 2 | 4 |
| | 4 | −0.1 |
| | 5 | 0.1 |
| | 7 | 4.9 |
| | 8 | 0.4 |
| | 9 | 0 |
| | 10 | 4.9 |
| | 12 | 0.1 |
| | 13 | 4.9 |
| IC6306 | 2 | 0.6 |
| | 3 | 5.0 |
| | 5 | 0.1 |
| | 6 | 0 |
| | 7 | 4.9 |
| | 9 | 0.1 |
| | 13 | 0.2 |
| | 14 | 0 |
| | 15 | 4.8 |
| IC6307 | 3 | 0.1 |
| | 4 | 0.7 |
| | 5 | 0.6 |
| | 9 | 0 |
| IC6401 | 3 | 19.0 |
| | 5 | 19.0 |
| | 6 | 4.8 |
| | 7 | 0 |
| | 8 | 2.3 |
| | 9 | 19.1 |
| | 10 | 0 |
| | 11 | 19.0 |
| IC6402 | 1 | * |
| | 2 | * |
| | 3 | * |
| | 5 | * |
| | 6 | * |
| | 7 | * |
| IC6500 | IN | 53.3 |
| | OUT | 50.4 |
| IC6501 | 1 | 45.4 |
| | 2 | 45.4 |
| | 3 | 37.3 |
| | 4 | 45.6 |
| | 5 | 53.3 |
| IC6502 | 1 | 14.4 |
| | 2 | 0.6 |
| | 3 | 0.7 |
| | 5 | 0 |
| | 6 | 0 |
| | 7 | 14.4 |
| IC6600 | 1 | 1.1 |
| | 2 | 1.6 |
| | 3 | 1.6 |
| | 5 | 2.6 |
| | 6 | 2.6 |
| | 7 | 2.6 |
| IC6601 | 1 | 1.1 |
| | 3 | −13.9 |
| | 5 | 0 |
| | 6 | 13.8 |
| | 7 | 1.2 |
| IC6700 | 1 | −11.1 |
| | 2 | 1.7 |
| | 3 | 1.7 |
| | 5 | 7.2 |
| | 6 | 7.3 |
| | 7 | −2.6 |
| IC6701 | OUT | −11.7 |
| IC6702 | 1 | 6.7 |
| | 2 | 6.6 |
| | 3 | 6.6 |
| | 5 | 6.3 |
| | 6 | 6.3 |
| | 7 | 5.6 |
| IC6703 | 1 | −0.2 |
| | 2 | 0 |
| | 3 | 0 |
| | 6 | 0 |
| | 7 | 1.5 |
| IC6704 | 1 | 0.2 |
| | 2 | 2.1 |
| | 3 | 1.2 |
| IC6801 | 1 | 1.0 |
| | 2 | 1.0 |
| | 3 | 3.0 |
| | 4 | 2.2 |
| | 6 | 2.2 |
| | 7 | 2.3 |
| | 8 | 19.1 |
| | 9 | −1.2 |
| Q6300 | B | 0.3 |
| | C | 0 |
| Q6301 | B | 4.9 |
| | C | 0 |
| Q6302 | B | 4.3 |
| | E | 4.3 |
| Q6303 | B | 0 |
| | C | 9.5 |
| Q6400 | G | 196.9 |
| | D | 46.8 |
| Q6401 | B | 11.1 |
| | C | 14.5 |
| | E | 10.9 |
| Q6402 | B | 5.0 |
| | E | 5.6 |
| Q6403 | G | 1.2 |
| | S | 11.1 |
| Q6404 | B | −1.3 |
| | C | 46.0 |
| Q6405 | B | 11.0 |
| | E | 10.9 |
| Q6406 | B | 2.4 |
| | C | 2.5 |
| Q6407 | B | −14.2 |
| | C | −0.2 |
| | E | −14.2 |
| Q6408 | B | 2.4 |
| | C | 2.5 |
| Q6410 | B | 0 |
| | C | 4.9 |
| Q6411 | B | 4.5 |
| | C | 0 |
| Q6412 | B | 7.1 |
| | C | 0 |
| | E | 5.0 |
| Q6413 | G | 4.8 |
| | D | 0 |
| Q6414 | B | 9.1 |
| | C | 5.8 |
| Q6415 | B | 0 |
| | C | 9.1 |
| Q6416 | B | 4.6 |
| | C | 0 |
| Q6417 | B | 5.3 |
| | C | 5.8 |
| | E | 5.8 |
| Q6418 | B | 0.8 |
| | C | 0.1 |
| Q6419 | B | 4.7 |
| | E | 4.1 |
| Q6420 | B | 0 |
| | C | 9.2 |
| Q6421 | B | 4.5 |
| | C | 0.1 |
| Q6422 | B | 0.1 |
| | C | 14.4 |
| Q6500 | B | 3.3 |
| | C | 39.7 |
| | E | 2.8 |
| Q6700 | B | −0.1 |
| | C | 204.3 |
| | E | −0.7 |
| Q6702 | B | 14.5 |
| | C | 1.7 |
| Q6703 | B | 31.1 |
| | C | 38.5 |
| | E | 48.2 |
| Q6704 | B | 11.4 |
| | E | 10.7 |
| Q6705 | B | 0 |
| | C | 131.2 |
| Q6706 | B | 0.7 |
| | C | 0 |
| Q6707 | B | 0.7 |
| | C | 0 |
| Q6708 | B | 0 |
| | C | 4.9 |
| Q6709 | B | 5.4 |
| | E | 4.8 |
| Q6710 | B | 0.7 |
| | C | 0 |
| Q6711 | B | 4.5 |
| | E | 3.9 |
| Q6712 | B | * |
| | C | * |
| | E | −11.5 |
| Q6713 | B | 0.7 |
| | C | 0.1 |
| Q6715 | B | 0.2 |
| | C | 325.0 |